ELSEVIER

Hearing Research 123 (1998) 211–212

HEARING RESEARCH

Author Index Volume 123

Anand, B., see Ricketts, C. (123) 27
Ando, M., and Takeuchi, S.
Postnatal vascular development in the lateral wall of the cochlear duct of gerbils: quantitative analysis by electron microscopy and confocal laser microscopy (123) 148

Bobbin, R.P., see Nenov, A.P. (123) 168
Bond, B.R., Ng, L.L. and Schulte, B.A.
Identification of mRNA transcripts and immunohistochemical localization of Na/H exchanger isoforms in gerbil inner ear (123) 1
Brickley, G.J., see Leung, S.-m. (123) 201

Cable, J., and Steel, K.P.
Combined cochleo-saccular and neuroepithelial abnormalities in the Varitint-waddler-J (Va^J) mouse (123) 125
Calhoun, B.M., see Wong, J.C. (123) 61
Chang, T.-J., see Tu, T.-Y. (123) 97
Chen, C., see Nenov, A.P. (123) 168
Chiu, J.-H., see Tu, T.-Y. (123) 97

DeMott, J.E., see Salt, A.N. (123) 137
Ding-Pfennigdorff, D., Smolders, J.W.T., Müller, M. and Klinke, R.
Erratum to "Hair cell loss and regeneration after severe acoustic overstimulation in the adult pigeon"
[Hear. Res. 120 (1998) 109-120] (123) 207

Edds-Walton, P.L.,
Anatomical evidence for binaural processing in the descending octaval nucleus of the toadfish (*Opsanus tau*) (123) 41
English, R., see Ricketts, C. (123) 27

Furuta, H., Luo, L., Hepler, K. and Ryan, A.F.
Evidence for differential regulation of calcium by outer versus inner hair cells: plasma membrane Ca-ATPase gene expression (123) 10

Guth, P.S., see Norris, C.H. (123) 31

Hepler, K., see Furuta, H. (123) 10
Holt, J.C., see Norris, C.H. (123) 31

Klinke, R., see Ding-Pfennigdorff, D. (123) 207

Leung, S.-m., Slaven, A., Thornton, A.R.D. and Brickley, G.J.
The use of high stimulus rate auditory brainstem responses in the estimation of hearing threshold (123) 201
Lien, C.-F., see Tu, T.-Y. (123) 97
Luo, L., see Furuta, H. (123) 10

Makimoto, K., see Noi, O. (123) 55
Manley, G.A., see Taschenberger, G. (123) 183
Marcus, D.C., see Shen, Z. (123) 157
Mendelson, J.R., see Ricketts, C. (123) 27
Miller, A.J., see Norris, C.H. (123) 31
Miller, R.L., see Wong, J.C. (123) 61
Müller, M., see Ding-Pfennigdorff, D. (123) 207

Nenov, A.P., Chen, C. and Bobbin, R.P.
Outward rectifying potassium currents are the dominant voltage activated currents present in Deiters' cells (123) 168
Ng, L.L., see Bond, B.R. (123) 1
Noi, O., and Makimoto, K.
Comparative effects of glycerol and Urografin on cochlear blood flow and serum osmolarity (123) 55
Norris, C.H., Miller, A.J., Perin, P., Holt, J.C. and Guth, P.S.
Mechanisms and effects of transepithelial polarization in the isolated semicircular canal (123) 31

Ohlemiller, K.K., and Siegel, J.H.
Temporal aspects of the effects of cooling on responses of single auditory nerve fibers (123) 78

Peddicord, R.,
Simulation of ILD sensitive neurons in the inferior colliculus of the barn owl (123) 111
Perin, P., see Norris, C.H. (123) 31

Ricketts, C., Mendelson, J.R., Anand, B. and English, R.
Responses to time-varying stimuli in rat auditory cortex (123) 27
Ryan, A.F., see Furuta, H. (123) 10

Sachs, M.B., see Wong, J.C. (123) 61
Salt, A.N., and DeMott, J.E.
Longitudinal endolymph movements induced by perilymphatic injections (123) 137
Schulte, B.A., see Bond, B.R. (123) 1
Shen, Z., and Marcus, D.C.
Divalent cations inhibit IsK/KvLQT1 channels in excised membrane patches of strial marginal cells (123) 157
Shu, C.-H., see Tu, T.-Y. (123) 97
Siegel, J.H., see Ohlemiller, K.K. (123) 78
Slaven, A., see Leung, S.-m. (123) 201
Smolders, J.W.T., see Ding-Pfennigdorff, D. (123) 207
Steel, K.P., see Cable, J. (123) 125

Takeuchi, S., see Ando, M. (123) 148
Taschenberger, G., and Manley, G.A.
General characteristics and suppression tuning properties of the distortion-product otoacoustic emission $2f_1-f_2$ in the barn owl (123) 183
Thornton, A.R.D., see Leung, S.-m. (123) 201
Tu, T.-Y., Chiu, J.-H., Yang, W.K., Chang, T.-J., Yang, A.-H., Shu, C.-H. and Lien, C.-F.
Establishment and characterization of a strial marginal cell line maintaining vectorial electrolyte transport (123) 97

Withnell, R.H., and Yates, G.K.
Onset of basilar membrane non-linearity reflected in cubic distortion tone input-output functions (123) 87
Wong, J.C., Miller, R.L., Calhoun, B.M., Sachs, M.B. and Young, E.D.
Effects of high sound levels on responses to the vowel /ɛ/ in cat auditory nerve (123) 61
Yang, A.-H., see Tu, T.-Y. (123) 97
Yang, W.K., see Tu, T.-Y. (123) 97
Yates, G.K., see Withnell, R.H. (123) 87
Young, E.D., see Wong, J.C. (123) 61

ELSEVIER

Hearing Research 123 (1998) 213–216

HEARING RESEARCH

Subject Index Volume 123

3,3′-Dithio-bis(sulfosuccinimidyl propionate)
IsK/KvLQT1 channel; Ca^{2+}-dependent; Mg^{2+}-dependent; Rundown; Epithelium (Shen, Z. (123) 157)

4-Aminopyridine
Kv; Tetraethylammonium; Voltage dependent block; Ion channel (Nenov, A.P. (123) 168)

Afferent
Semicircular canal; Galvanic stimulation; Vestibular; Mechanotransduction (Norris, C.H. (123) 31)

Auditory brainstem response
Maximum length sequence; Threshold estimation (Leung, S.-m. (123) 201)

Auditory circuit
Binaural hearing; Directional hearing; Fish hearing (Edds-Walton, P.L. (123) 41)

Auditory cortex
Frequency modulated sweep; Direction selective; Speed selective (Ricketts, C. (123) 27)

Auditory nerve
Synchrony capture; Component 1/component 2 transition; Vowel encoding; Two-tone suppression; Loud sound (Wong, J.C. (123) 61)

Barn owl
DPOAE; Otoacoustic emission; Frequency tuning; Suppression; Bird (Taschenberger, G. (123) 183)

Basilar membrane
Cubic distortion tone; Compression threshold; Guinea pig (Withnell, R.H. (123) 87)

Binaural hearing
Auditory circuit; Directional hearing; Fish hearing (Edds-Walton, P.L. (123) 41)

Bird
DPOAE; Otoacoustic emission; Frequency tuning; Suppression; Barn owl (Taschenberger, G. (123) 183)

Ca^{2+}-dependent
IsK/KvLQT1 channel; Mg^{2+}-dependent; Rundown; Epithelium; 3,3′-Dithio-bis(sulfosuccinimidyl propionate) (Shen, Z. (123) 157)

Calcium clearance
Inner ear; Ion pump; Splice variant; In situ hybridization (Furuta, H. (123) 10)

Capillary
Stria vascularis; Development; Fluorescein; Confocal laser microscopy (Ando, M. (123) 148)

Cochlea
Reverse transcription-polymerase chain reaction; Immunohistochemistry; Stria vascularis; Hair cell; Na/H exchanger; Ion transport; Electrolyte (Bond, B.R. (123) 1)

Gerbil; Temperature; Cooling; Rate adaptation; Phase-locking; Synchronization index; Peak-splitting (Ohlemiller, K.K. (123) 78)

Glycerol; Urografin; Serum osmolarity; Hyperosmotic agent (Noi, O. (123) 55)

Component 1/component 2 transition
Synchrony capture; Auditory nerve; Vowel encoding; Two-tone suppression; Loud sound (Wong, J.C. (123) 61)

Compound action potential
Endocochlear potential; Stria vascularis; Melanocyte; Summating potential; Mouse mutant; Pigment defect (Cable, J. (123) 125)

Compression threshold
Cubic distortion tone; Basilar membrane; Guinea pig (Withnell, R.H. (123) 87)

Confocal laser microscopy
Stria vascularis; Capillary; Development; Fluorescein (Ando, M. (123) 148)

Cooling
Cochlea; Gerbil; Temperature; Rate adaptation; Phase-locking; Synchronization index; Peak-splitting (Ohlemiller, K.K. (123) 78)

Cubic distortion tone
Basilar membrane; Compression threshold; Guinea pig (Withnell, R.H. (123) 87)

Development
Stria vascularis; Capillary; Fluorescein; Confocal laser microscopy (Ando, M. (123) 148)

Direction selective
Frequency modulated sweep; Speed selective; Auditory cortex (Ricketts, C. (123) 27)

Directional hearing
Auditory circuit; Binaural hearing; Fish hearing (Edds-Walton, P.L. (123) 41)

DPOAE
Otoacoustic emission; Frequency tuning; Suppression; Barn owl; Bird (Taschenberger, G. (123) 183)

Electrolyte
Cochlea; Reverse transcription-polymerase chain reaction; Immunohistochemistry; Stria vascularis; Hair cell; Na/H exchanger; Ion transport (Bond, B.R. (123) 1)

Endocochlear potential
Stria vascularis; Melanocyte; Compound action potential; Summating potential; Mouse mutant; Pigment defect (Cable, J. (123) 125)

Endolymph
Perilymph; Flow; Endolymphatic hydrops; Perilymph fistula; Pressure (Salt, A.N. (123) 137)

Endolymph; Perilymph; Flow; Perilymph fistula; Pressure (Salt, A.N. (123) 137)

Epithelium
IsK/KvLQT1 channel; Ca^{2+}-dependent; Mg^{2+}-dependent; Rundown; 3,3′-Dithio-bis(sulfosuccinimidyl propionate) (Shen, Z. (123) 157)

Fish hearing
Auditory circuit; Binaural hearing; Directional hearing (Edds-Walton, P.L. (123) 41)

Flow
Endolymph; Perilymph; Endolymphatic hydrops; Perilymph fistula; Pressure (Salt, A.N. (123) 137)

Fluorescein
Stria vascularis; Capillary; Development; Confocal laser microscopy (Ando, M. (123) 148)

Frequency modulated sweep
Direction selective; Speed selective; Auditory cortex (Ricketts, C. (123) 27)

Frequency tuning
DPOAE; Otoacoustic emission; Suppression; Barn owl; Bird (Taschenberger, G. (123) 183)

Galvanic stimulation
Semicircular canal; Vestibular; Mechanotransduction; Afferent (Norris, C.H. (123) 31)

Gerbil
Cochlea; Temperature; Cooling; Rate adaptation; Phase-locking; Synchronization index; Peak-splitting (Ohlemiller, K.K. (123) 78)

Glycerol
Cochlear blood flow; Urografin; Serum osmolarity; Hyperosmotic agent (Noi, O. (123) 55)

Guinea pig
Cubic distortion tone; Basilar membrane; Compression threshold (Withnell, R.H. (123) 87)

Hair cell
Cochlea; Reverse transcription-polymerase chain reaction; Immunohistochemistry; Stria vascularis; Na/H exchanger; Ion transport; Electrolyte (Bond, B.R. (123) 1)

Hyperosmotic agent
Cochlear blood flow; Glycerol; Urografin; Serum osmolarity (Noi, O. (123) 55)

Immortalization
Marginal cells; Stria vascularis; Papilloma virus; Ion transport; Voltage clamp (Tu, T.-Y. (123) 97)

Immunohistochemistry
Cochlea; Reverse transcription-polymerase chain reaction; Stria vascularis; Hair cell; Na/H exchanger; Ion transport; Electrolyte (Bond, B.R. (123) 1)

In situ hybridization
Inner ear; Calcium clearance; Ion pump; Splice variant (Furuta, H. (123) 10)

Inferior colliculus
Interaural level difference; Lateral shell; Sound localization; Simulation; Ventral lateral lemniscus pars posterior (Peddicord, R. (123) 111)

Inner ear
Calcium clearance; Ion pump; Splice variant; In situ hybridization (Furuta, H. (123) 10)

Interaural level difference
Lateral shell; Inferior colliculus; Sound localization; Simulation; Ventral lateral lemniscus pars posterior (Peddicord, R. (123) 111)

Ion channel
Kv; 4-Aminopyridine; Tetraethylammonium; Voltage dependent block (Nenov, A.P. (123) 168)

Ion pump
Inner ear; Calcium clearance; Splice variant; In situ hybridization (Furuta, H. (123) 10)

Ion transport
Cochlea; Reverse transcription-polymerase chain reaction; Immunohistochemistry; Stria vascularis; Hair cell; Na/H exchanger; Electrolyte (Bond, B.R. (123) 1)

Marginal cells; Stria vascularis; Papilloma virus; Immortalization; Voltage clamp (Tu, T.-Y. (123) 97)

IsK/KvLQT1 channel
Ca^{2+}-dependent; Mg^{2+}-dependent; Rundown; Epithelium; 3,3′-Dithio-bis(sulfosuccinimidyl propionate) (Shen, Z. (123) 157)

Kv
4-Aminopyridine; Tetraethylammonium; Voltage dependent block; Ion channel (Nenov, A.P. (123) 168)

Lateral shell
Interaural level difference; Inferior colliculus; Sound localization; Simulation; Ventral lateral lemniscus pars posterior (Peddicord, R. (123) 111)

Loud sound
Synchrony capture; Component 1/component 2 transition; Auditory nerve; Vowel encoding; Two-tone suppression (Wong, J.C. (123) 61)

Marginal cells
Stria vascularis; Papilloma virus; Immortalization; Ion transport; Voltage clamp (Tu, T.-Y. (123) 97)

Maximum length sequence
Auditory brainstem response; Threshold estimation (Leung, S.-m. (123) 201)

Mechanotransduction
Semicircular canal; Galvanic stimulation; Vestibular; Afferent (Norris, C.H. (123) 31)

Melanocyte
Endocochlear potential; Stria vascularis; Compound action potential; Summating potential; Mouse mutant; Pigment defect (Cable, J. (123) 125)

Mg^{2+}-dependent
IsK/KvLQT1 channel; Ca^{2+}-dependent; Rundown; Epithelium; 3,3′-Dithio-bis(sulfosuccinimidyl propionate) (Shen, Z. (123) 157)

Mouse mutant
Endocochlear potential; Stria vascularis; Melanocyte; Compound action potential; Summating potential; Pigment defect (Cable, J. (123) 125)

Na/H exchanger
Cochlea; Reverse transcription-polymerase chain reaction; Immunohistochemistry; Stria vascularis; Hair cell; Ion transport; Electrolyte (Bond, B.R. (123) 1)

Otoacoustic emission
DPOAE; Frequency tuning; Suppression; Barn owl; Bird (Taschenberger, G. (123) 183)

Papilloma virus
Marginal cells; Stria vascularis; Immortalization; Ion transport; Voltage clamp (Tu, T.-Y. (123) 97)

Peak-splitting
Cochlea; Gerbil; Temperature; Cooling; Rate adaptation; Phase-locking; Synchronization index (Ohlemiller, K.K. (123) 78)

Perilymph
Endolymph; Flow; Endolymphatic hydrops; Perilymph fistula; Pressure (Salt, A.N. (123) 137)

Endolymph; Perilymph; Flow; Endolymphatic hydrops; Pressure (Salt, A.N. (123) 137)

Phase-locking
Cochlea; Gerbil; Temperature; Cooling; Rate adaptation; Synchronization index; Peak-splitting (Ohlemiller, K.K. (123) 78)

Pigment defect
Endocochlear potential; Stria vascularis; Melanocyte; Compound action potential; Summating potential; Mouse mutant (Cable, J. (123) 125)

Pressure
Endolymph; Perilymph; Flow; Endolymphatic hydrops; Perilymph fistula (Salt, A.N. (123) 137)

Rate adaptation
Cochlea; Gerbil; Temperature; Cooling; Phase-locking; Synchronization index; Peak-splitting (Ohlemiller, K.K. (123) 78)

Reverse transcription-polymerase chain reaction
Cochlea; Immunohistochemistry; Stria vascularis; Hair cell; Na/H exchanger; Ion transport; Electrolyte (Bond, B.R. (123) 1)

Rundown
IsK/KvLQT1 channel; Ca^{2+}-dependent; Mg^{2+}-dependent; Epithelium; 3,3′-Dithio-bis(sulfosuccinimidyl propionate) (Shen, Z. (123) 157)

Semicircular canal
Galvanic stimulation; Vestibular; Mechanotransduction; Afferent (Norris, C.H. (123) 31)

Serum osmolarity
Cochlear blood flow; Glycerol; Urografin; Hyperosmotic agent (Noi, O. (123) 55)

Simulation
Interaural level difference; Lateral shell; Inferior colliculus; Sound localization; Ventral lateral lemniscus pars posterior (Peddicord, R. (123) 111)

Sound localization
Interaural level difference; Lateral shell; Inferior colliculus; Simulation; Ventral lateral lemniscus pars posterior (Peddicord, R. (123) 111)

Speed selective
Frequency modulated sweep; Direction selective; Auditory cortex (Ricketts, C. (123) 27)

Splice variant
Inner ear; Calcium clearance; Ion pump; In situ hybridization (Furuta, H. (123) 10)

Stria vascularis
Cochlea; Reverse transcription-polymerase chain reaction; Immunohistochemistry; Hair cell; Na/H exchanger; Ion transport; Electrolyte (Bond, B.R. (123) 1)

Marginal cells; Papilloma virus; Immortalization; Ion transport; Voltage clamp (Tu, T.-Y. (123) 97)

Endocochlear potential; Melanocyte; Compound action potential; Summating potential; Mouse mutant; Pigment defect (Cable, J. (123) 125)

Capillary; Development; Fluorescein; Confocal laser microscopy (Ando, M. (123) 148)

Summating potential
Endocochlear potential; Stria vascularis; Melanocyte; Compound action potential; Mouse mutant; Pigment defect (Cable, J. (123) 125)

Suppression
DPOAE; Otoacoustic emission; Frequency tuning; Barn owl; Bird (Taschenberger, G. (123) 183)

Synchronization index
Cochlea; Gerbil; Temperature; Cooling; Rate adaptation; Phase-locking; Peak-splitting (Ohlemiller, K.K. (123) 78)

Synchrony capture
Component 1/component 2 transition; Auditory nerve; Vowel encoding; Two-tone suppression; Loud sound (Wong, J.C. (123) 61)

Temperature
Cochlea; Gerbil; Cooling; Rate adaptation; Phase-locking; Synchronization index; Peak-splitting (Ohlemiller, K.K. (123) 78)

Tetraethylammonium
Kv; 4-Aminopyridine; Voltage dependent block; Ion channel (Nenov, A.P. (123) 168)

Threshold estimation
Auditory brainstem response; Maximum length sequence (Leung, S.-m. (123) 201)

Two-tone suppression
Synchrony capture; Component 1/component 2 transition; Auditory nerve; Vowel encoding; Loud sound (Wong, J.C. (123) 61)

Urografin
Cochlear blood flow; Glycerol; Serum osmolarity; Hyperosmotic agent (Noi, O. (123) 55)

Ventral lateral lemniscus pars posterior
Interaural level difference; Lateral shell; Inferior colliculus; Sound localization; Simulation (Peddicord, R. (123) 111)

Vestibular
Semicircular canal; Galvanic stimulation; Mechanotransduction; Afferent (Norris, C.H. (123) 31)

Voltage clamp
Marginal cells; Stria vascularis; Papilloma virus; Immortalization; Ion transport (Tu, T.-Y. (123) 97)

Voltage dependent block
Kv; 4-Aminopyridine; Tetraethylammonium; Ion channel (Nenov, A.P. (123) 168)

Vowel encoding
Synchrony capture; Component 1/component 2 transition; Auditory nerve; Two-tone suppression; Loud sound (Wong, J.C. (123) 61)